

1 first and second vinyl terminated copolymer resins, said  
first vinyl terminated copolymer resin having about 80 mole %  
to about 95 mole % dimethylsiloxane and about 5 mole % to  
about 20 mole % diphenylsiloxane, said first vinyl terminated  
10 copolymer resin having a molecular weight sufficient to pro-  
vide a first vinyl terminated copolymer resin viscosity of  
about 400 cps to about 2500 cps;

about 45 wt% to about 70 wt% of a second vinyl ter-  
minated copolymer resin based on the total amount of the  
15 first and second vinyl terminated copolymer resins, said  
second vinyl terminated copolymer resin having about  
80 mole % to about 95 mole % dimethylsiloxane and about 5  
mole % to about 20 mole % diphenylsiloxane, said second vinyl  
terminated copolymer resin having a molecular weight  
20 sufficient to provide a second vinyl terminated copolymer  
resin viscosity of about 2500 cps to about 9500 cps;

about 8 to about 25 parts of fumed silica filler  
per hundred parts resin;

tetrakis(dimethylsiloxy)silane crosslinking rea-  
25 gent; and

2-[5-chloro-2H-benzotriazol-2-yl]-6-[1,1-dimethyl-  
ethyl]-4-[2-propenyloxypropyl] phenol hydrosilylated with  
tetrakis(dimethylsiloxy)silane.

722. A high refractive index, curable polyorgano-  
siloxane composition useful for fabricating intraocular  
lenses, said composition comprising:

about 30 wt% to about 55 wt% of a first vinyl ter-  
5 minated copolymer resin based on the total amount of the  
first and second vinyl terminated copolymer resins, said  
first vinyl terminated copolymer resin having about 80 mole %  
to about 95 mole % dimethylsiloxane and about 5 mole % to  
about 20 mole % diphenylsiloxane, said first vinyl terminated

10 copolymer resin having a molecular weight sufficient to provide a first vinyl terminated copolymer resin viscosity of about 400 cps to about 2500 cps;

about 45 wt% to about 70 wt% of a second vinyl terminated copolymer resin based on the total amount of the  
15 first and second vinyl terminated copolymer resins, said second vinyl terminated copolymer resin having about 80 mole % to about 95 mole % dimethylsiloxane and about 5 mole % to about 20 mole % diphenylsiloxane, said second vinyl terminated copolymer resin having a molecular weight  
20 sufficient to provide a second vinyl terminated copolymer resin viscosity of about 2500 cps to about 9500 cps;

about 8 to about 25 parts of fumed silica filler per hundred parts resin;

tetrakis(dimethylsiloxyl)silane crosslinking reagent; and  
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2-[5-chloro-2H-benzotriazol-2-yl]-6-[1,1-dimethylethyl]-4-[2-propenyloxypropyl] phenol hydrosilylated with a terpolymer of dimethylsiloxane, diphenylsiloxane, and methylhydrosiloxane.

1123. A high refractive index, curable polyorganosiloxane composition useful for fabricating intraocular lenses, said composition comprising:

about 42 wt% to about 48 wt% of a first vinyl terminated copolymer resin based on the total amount of the  
5 first and second vinyl terminated copolymer resins, said first vinyl terminated copolymer resin having about 82 mole % to about 88 mole % dimethylsiloxane and about 12 mole % to about 18 mole % diphenylsiloxane, said first vinyl terminated  
10 copolymer resin having a molecular weight sufficient to provide a first vinyl terminated copolymer resin viscosity of about 400 cps to about 1000 cps, and

about 52 wt% to about 58 wt% of a second vinyl terminated copolymer resin based on the total amount of the first and second vinyl terminated copolymer resins, said second vinyl terminated copolymer resin having about 82 mole % to about 88 mole % dimethylsiloxane and about 12 mole % to about 18 mole % diphenylsiloxane, said second vinyl terminated copolymer resin having a molecular weight sufficient to provide a second vinyl terminated copolymer resin viscosity of about 4400 cps to about 5400 cps;

about 8 to about 25 parts of fumed silica filler per hundred parts resin;

tetrakis(dimethylsiloxy)silane crosslinking reagent; and

2-[5-chloro-2H-benzotriazol-2-yl]-6[1,1-dimethylethyl]-4-[2-propenyloxypropyl]phenol hydrosilylated with tetrakis(dimethylsiloxy)silane.

15. A high refractive index, curable polyorganosiloxane composition useful for fabricating intraocular lenses, said composition comprising:

about 42 wt% to about 48 wt% of a first vinyl terminated copolymer resin based on the total amount of the first and second vinyl terminated copolymer resins, said first vinyl terminated copolymer resin having about 82 mole % to about 88 mole % dimethylsiloxane and about 12 mole % to about 18 mole % diphenylsiloxane, said first vinyl terminated copolymer resin having a molecular weight sufficient to provide a first vinyl terminated copolymer resin viscosity of about 400 cps to about 1000 cps, and

about 52 wt% to about 58 wt% of a second vinyl terminated copolymer resin based on the total amount of the first and second vinyl terminated copolymer resins, said second vinyl terminated copolymer resin having about 82 mole %

*a<sup>1</sup> cont'd*  
to about 88 mole % dimethylsiloxane and about 12 mole % to  
about 18 mole % diphenylsiloxane, said second vinyl termin-  
ated copolymer resin having a molecular weight sufficient to  
20 provide a second vinyl terminated copolymer resin viscosity  
of about 4400 cps to about 5400 cps;

about 8 to about 25 parts of fumed silica filler  
per hundred parts resin;

tetrakis(dimethylsiloxy)silane crosslinking rea-  
25 gent; and

2-[5-chloro-2H-benzotriazol-2-yl]-6[1,1-dimethyl-  
ethyl]-4-[2-propenyloxypropyl]phenol hydrosilylated with a  
terpolymer of dimethylsiloxane, diphenylsiloxane, and methyl-  
hydrosiloxane.

*9*  
28. An elastomeric, optically clear, high refrac-  
tive index lens having superior postfolding optical resolu-  
tion recovery, said lens comprising a polyorganosiloxane ob-  
tained by curing the curable, high refractive index, poly-  
5 organosiloxane composition of claim 22.

*12*  
28. An elastomeric, optically clear, high refrac-  
tive index lens having superior postfolding optical resolu-  
tion recovery, said lens comprising a polyorganosiloxane ob-  
tained by curing the curable, high refractive index, poly-  
5 organosiloxane composition of claim 22.

*16*  
27. An elastomeric, optically clear, high refrac-  
tive index lens having superior postfolding optical resolu-  
tion recovery, said lens comprising a polyorganosiloxane ob-  
tained by curing the curable, high refractive index, poly-  
5 organosiloxane composition of claim 24.

*a' cord's*  
<sup>13</sup>~~28~~. The high refractive index, curable polyorgano-  
siloxane composition of claim <sup>11</sup>~~23~~ wherein said fumed silica  
filler has an average particle diameter of from about 7 nano-  
meters to about 11 nanometers.

<sup>17</sup>~~29~~. The high refractive index, curable polyorgano-  
siloxane composition of claim <sup>15</sup>~~24~~ wherein said fumed silica  
filler has an average particle diameter of from about 7 nano-  
meters to about 11 nanometers.

<sup>10</sup>~~30~~. The high refractive index, curable polyorgano-  
siloxane composition of claim <sup>7</sup>~~32~~ wherein said fumed silica is  
surface treated with a member selected from the group con-  
sisting of hexamethyldisilazane and 1,3-divinyltetramethyldi-  
5 silazane.

<sup>14</sup>~~31~~. The high refractive index, curable polyorgano-  
siloxane composition of claim <sup>11</sup>~~33~~ wherein said fumed silica is  
surface treated with a member selected from the group con-  
sisting of hexamethyldisilazane and 1,3-divinyltetramethyldi-  
5 silazane.

<sup>18</sup>~~32~~. The high refractive index, curable polyorgano-  
siloxane composition of claim <sup>15</sup>~~34~~ wherein said fumed silica is  
surface treated with a member selected from the group con-  
sisting of hexamethyldisilazane and 1,3-divinyltetramethyldi-  
5 silazane.

<sup>19</sup>~~33~~. A high refractive index, curable polyorgano-  
siloxane composition useful for fabricating intraocular  
lenses, said composition consisting essentially of:  
about 42 wt% to about 48 wt% of a first vinyl ter-  
5 minated copolymer resin based on the total amount of the

Q1  
cont'd

first and second vinyl terminated copolymer resins, said first vinyl terminated copolymer resin having about 82 mole % to about 88 mole % dimethylsiloxane and about 12 mole % to about 18 mole % diphenylsiloxane, said first vinyl terminated  
10 copolymer resin having a molecular weight sufficient to provide a first vinyl terminated copolymer resin viscosity of about 400 cps to about 1000 cps, and

about 52 wt% to about 58 wt% of a second vinyl terminated copolymer resin based on the total amount of the  
15 first and second vinyl terminated copolymer resins, said second vinyl terminated copolymer resin having about 82 mole % to about 88 mole % dimethylsiloxane and about 12 mole % to about 18 mole % diphenylsiloxane, said second vinyl terminated copolymer resin having a molecular weight  
20 sufficient to provide a second vinyl terminated copolymer resin viscosity of about 4400 cps to about 5400 cps;

about 11 to about 14 parts of fumed silica filler per hundred parts resin;

about 5 to about 50 parts of platinum containing  
25 catalyst per million parts resin;

about 1.5 to about 5 parts of tetrakis(dimethylsiloxyl)silane crosslinking reagent per hundred parts resin; and

about 0.1 to about 2 parts of 2-[5-chloro-2H-benzotriazol-2-yl]-6-[1,1-dimethylethyl]-4-[2-propenyloxypropyl]  
30 phenol ultraviolet absorbing compound hydrosilylated with tetrakis(dimethylsiloxyl)silane.

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34. A high refractive index, curable polyorgano-siloxane composition useful for fabricating intraocular lenses, said composition consisting essentially of:

about 42 wt% to about 48 wt% of a first vinyl terminated copolymer resin based on the total amount of the  
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*Costs*  
first and second vinyl terminated copolymer resins, said first vinyl terminated copolymer resin having about 82 mole % to about 88 mole % dimethylsiloxane and about 12 mole % to about 18 mole % diphenylsiloxane, said first vinyl terminated  
10 copolymer resin having a molecular weight sufficient to provide a first vinyl terminated copolymer resin viscosity of about 400 cps to about 1000 cps, and

about 52 wt% to about 58 wt% of a second vinyl terminated copolymer resin based on the total amount of the  
15 first and second vinyl terminated copolymer resins, said second vinyl terminated copolymer resin having about 82 mole % to about 88 mole % dimethylsiloxane and about 12 mole % to about 18 mole % diphenylsiloxane, said second vinyl terminated copolymer resin having a molecular weight  
20 sufficient to provide a second vinyl terminated copolymer resin viscosity of about 4400 cps to about 5400 cps;

about 11 to about 14 parts of fumed silica filler per hundred parts resin;

about 5 to about 50 parts of platinum containing  
25 catalyst per million parts resin;

about 1.5 to about 5 parts of tetrakis(dimethylsiloxyl)silane crosslinking reagent per hundred parts resin; and

about 0.1 to about 2 parts of 2-[5-chloro-2H-benzotriazol-2-yl]-6-[1,1-dimethylethyl]-4-[2-propenyloxypropyl]  
30 phenol ultraviolet absorbing compound hydrosilylated with a terpolymer of dimethylsiloxane, diphenylsiloxane, and methylhydrosiloxane.

<sup>20</sup>  
~~25~~. An elastomeric, optically clear, high refractive index lens having superior postfolding optical resolution recovery, said lens comprising a polyorganosiloxane obtained